



## **Communicating spatial risk of tick-borne infections - Creating a ScandTick Innovation website based on surveillance data**

**Clausen, Cecilie Grønlund; Schou, Kirstine Klitgaard; Kirkeby, Carsten; Bødker, Rene**

*Publication date:*  
2016

*Document Version*  
Publisher's PDF, also known as Version of record

[Link back to DTU Orbit](#)

*Citation (APA):*

Clausen, C. G., Schou, K. K., Kirkeby, C., & Bødker, R. (2016). *Communicating spatial risk of tick-borne infections - Creating a ScandTick Innovation website based on surveillance data*. Poster session presented at 3rd Conference on Neglected Vectors and Vector-Borne Diseases (EurNegVec): with MC and WG Meeting of the COST Action TD1303, Zaragoza, Spain.

---

### **General rights**

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.



# Communicating spatial risk of tick-borne infections

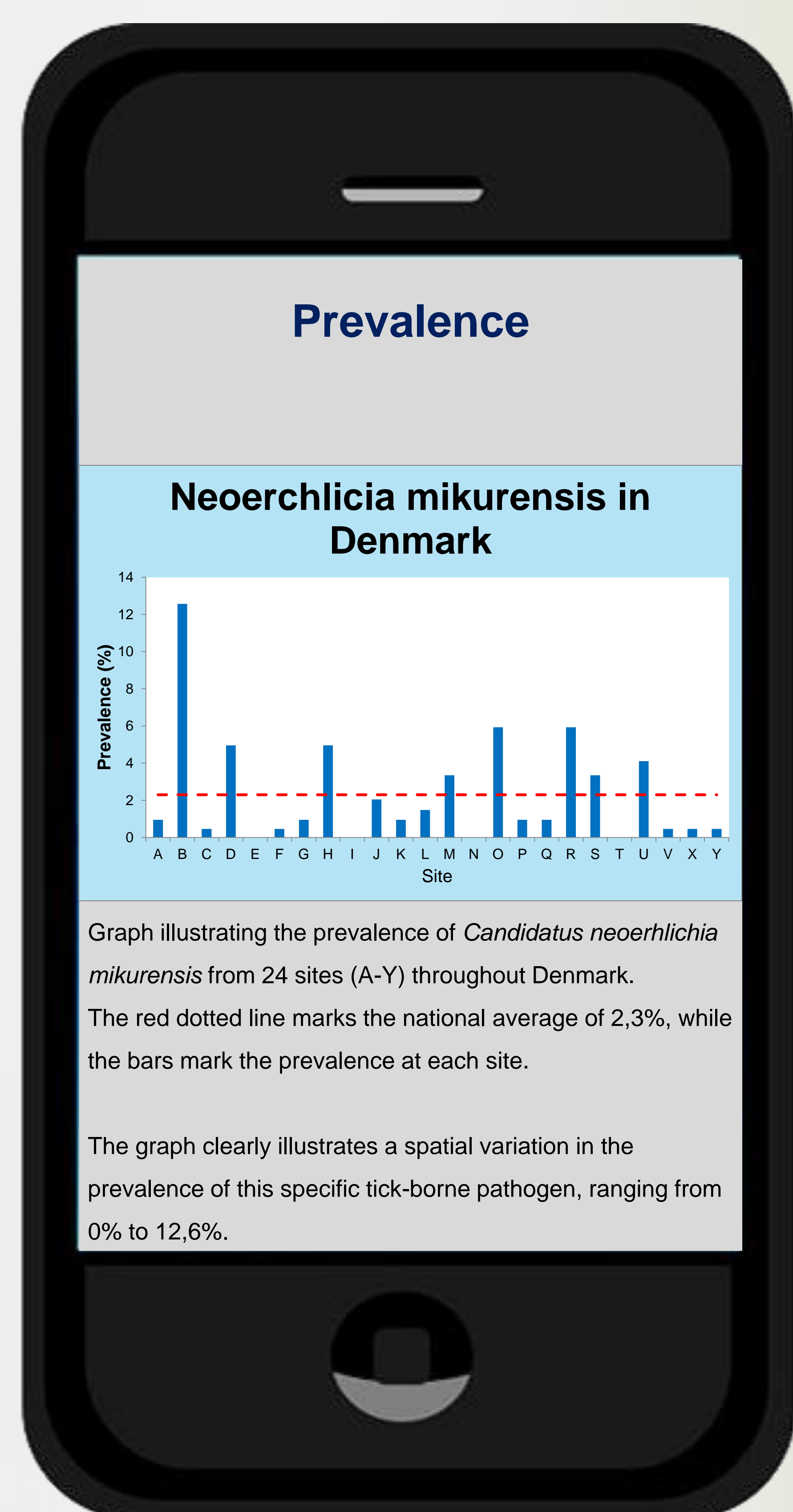
## Creating a ScandTick Innovation website based on surveillance data

Cecilie Grønlund Clausen, Kirstine Klitgaard Schou, Carsten Kirkeby, René Bødker

Section for Epidemiology, National Veterinary Institute, Technical University of Denmark

### Introduction

- Ticks are important vectors of infectious human and animal diseases in Europe.
- Several new tick-borne pathogens have been discovered in Danish ticks in recent years.



### Data

- A large amount of spatial prevalence data is available from recent surveillance of ticks and tick-borne pathogens in Denmark.
- We are using these data to develop a website to communicate quantitative information on ticks, pathogens and the risk of infection and illness.
- In the near future, the newly EU funded ScandTick Innovation project will conduct large scale mapping of all tick-borne pathogens in southern Scandinavia.

### Aims

- ↑ Awareness
- ↓ Fear
- ↑ Knowledge
- ↓ Misunderstandings
- ↑ Caution

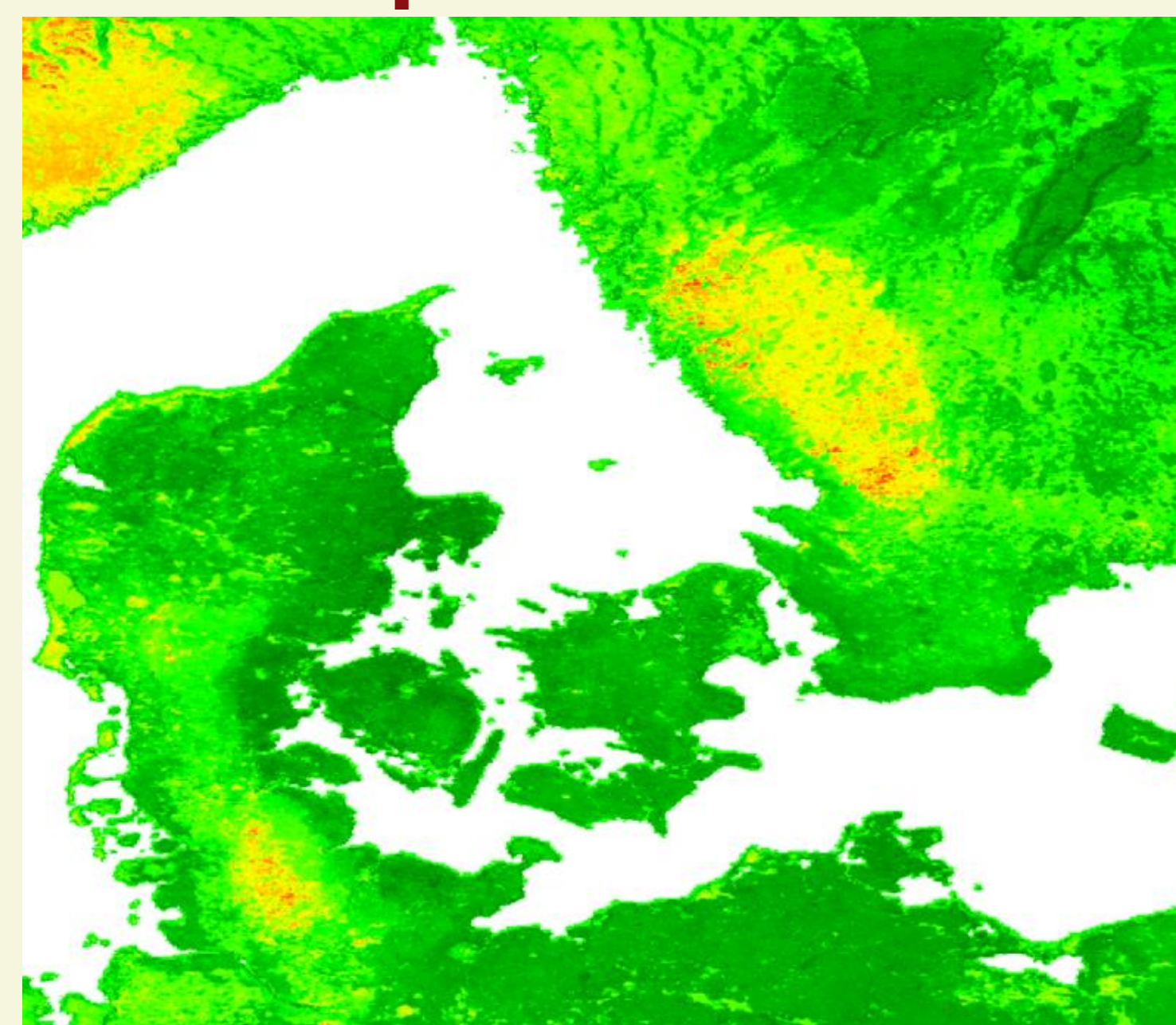
### Perspective

The website will provide the public with knowledge of the risks of tick bites.

We therefore aim to ensure early diagnosis, more effective prevention of tick-borne diseases and to provide quantitative risk estimates to health professionals.

**Visit us at [www.flaater.dk](http://www.flaater.dk).**

### Risk map



Map illustrating the probability of finding a positive pool (N=15) of *Candidatus Neoehrlichia mikurensis* throughout Denmark (green → red : increasing probability). This model was made using remote sensing and is based on preliminary data.

